

# **Dental Software**

for Microsoft<sup>®</sup> Windows<sup>®</sup>

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## **User manual**

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# Introducing the Dental Software

This chapter covers the following topics:

- ☐ [About the Dental Software](#)
- ☐ [Dental Software features](#)

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# About the Dental Software

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The Dental Software provides a set of specific study and sub-study parameters as well as MUSICA processing parameters (MUSICA: Multi-Scale Image Contrast Amplification) optimized for extra-oral dental studies. With the Dental Software, the image processing features of the ADC Quality System are extended to dentistry. The Dental Software is an add-on program to the ID Software, the IPD Viewer Software, and the QC Viewer Software.

The Dental Software User manual provides general and practical information on using the Dental Software. For full details on using the ID Software, the QC Viewer Software and the IPD Viewer Software, refer to the Reference manual or the online Help of the ID Software, the QC Viewer Software and the IPD Viewer Software respectively.

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# Dental Software features

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The Dental Software permits you to perform exposures which are optimized for extra-oral dental digital radiography. The Dental Software has been developed for speed class 400 studies compliant with the '*European Guidelines on Quality Criteria for Diagnostic Radiographic Images*'.

The Dental Software adds the following features to your ADC Quality System.

- A set of study and sub-study types for extra-oral applications,
- A set of image processing parameters (MUSICA parameters) optimized for extra-oral studies.

The Dental Software must be used in combination with the ADC cassette for dental studies (15 x 30 cm) flat cassette.





# Using the Dental Software

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This chapter covers the following topics:

- ☐ [Setting the study and sub-study type](#)
- ☐ [Using the ADC cassette for dental studies](#)

# Setting the study and sub-study type

If the Dental Software has been installed, the study types and sub-study types listed below are available in the Identification window of the ID Software.

Study type	Sub-study type
Dental	Orthopantomogram OPG
Dental	Cephalogram LAT
Dental	Cephalogram PA
Dental	Scanogram TMJ (Temporomandibular joint)
Dental	Sinus PA
Dental	Tomo jaw
Dental	Tomo TMJ (Temporomandibular joint)
Dental	Skull PA
Dental	Skull LAT
Dental	TMJ (Temporomandibular joint)
Dental	Lower jaw
Dental	Nose LAT
Dental	Orbits PA
Dental	Sinus LAT

You can set the study type via the Identification window of the ID Software.

If you have assigned the dental study and sub-study type via the ID Software, the ADC Online Processing Software will automatically process the image with processing parameters (MUSICA parameters) optimized for the selected dental sub-study type.

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# Using the ADC cassette for dental studies

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For all dental studies, you need the ADC cassette for dental studies (15 x 30 cm flat cassette). Depending on the exposure device, you make the exposure with a curved cassette or with the ADC cassette.

- If the study can be performed with the ADC cassette for dental studies (15 x 30 cm flat cassette), use this cassette for the exposure.
- If the exposure device requires a curved cassette:
  - 1 Remove the image plate from the ADC cassette for dental studies (15 x 30 cm flat cassette) and insert the image plate into the curved cassette. You can do this in daylight.
  - 2 Make the exposure with the curved cassette.
  - 3 Remove the image plate from the curved cassette and insert the image plate into the ADC cassette. Again, you can do this in daylight.





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